

ILLINOIS

WEATHER & CROPS



ILLINOIS COOPERATIVE CROP REPORTING SERVICE

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CROP HI-LITES

- *** Corn - 92% mature, 13% harvested
- *** Soybeans - 94% turning yellow, 80% shedding leaves, 17% harvested
- *** Soil Moisture - 64% short, 35% adequate, 1% surplus

There were 4.75 DAYS SUITABLE for FIELDWORK for the week ending Friday, September 23. Rains over northern and eastern areas slowed harvesting during the week. Most areas received a light frost late in the week. However, only a few late maturity soybeans were damaged.

Ninety-two percent of the CORN acreage was mature as of Sunday, September 25. In 1982, 92% was mature while the 5-year average (1978-82) was 88%. Thirteen percent of the crop has been harvested for grain, compared to 8% for last year and 9% for the average.

Ninety-four percent of the SOYBEAN acreage was turning yellow on Sunday, September 25, compared to 93% in 1982 and the 5-year average of 91%. Eighty percent of the crop was shedding leaves, compared to 76% last year and the average of 71%. Seventeen percent of the soybeans have been harvested. In 1982, 18% of the soybean acreage had been harvested while the average is 16%.

Five percent of the WINTER WHEAT acreage has been seeded, compared to 7% last year and 10% for the average. Dry soil conditions have slowed wheat seeding in southern areas of the State.

Ten percent of the SORGHUM acreage has been harvested for grain on Sunday, September 25. Last year, 10% had been harvested while the average is 8%.

PASTURE condition continued to improve and on Friday, September 23, was 15% good, 33% fair, 45% poor, and 7% a failure.

SOIL MOISTURE was reported to be 64% short and 35% adequate and 1% surplus on Friday, September 23.

WEATHER

The week of September 19 to 25 turned out to be cool with some rain across the State of Illinois. On the 19th and 20th a cold front pushed South and brought an end to the heat which had plagued the State since early July. TEMPERATURES dropped to 15 to 20 degrees below normal across Illinois on Wednesday, Thursday, and Friday. Over the weekend temperatures warmed up slightly, but still remained below normal for this time of year.

The passage of the cold front brought also some badly needed RAIN especially to portions of Southern Illinois. The rains were mostly less than 1 inch with areas around Cape Girardeau and St. Louis reporting .60 inches while extreme Southern Illinois received less than .25 inches. Northern and Central Illinois received .50 inches to 1.50 inches with Moline reporting 1.49 inches and Peoria 1.31 inches. The OUTLOOK for the week of September 26 to October 2 calls for warm days and cool nights with little precipitation. In the North high temperatures will be around 80 degrees early in the period, cooling to the mid-70's by the weekend. Temperatures across Southern Illinois will range from the upper 70's to the upper 80's.

AUGUST WEATHER SUMMARY

Average monthly TEMPERATURES ranged from 6 to 8 degrees above normal throughout the State. The Central District had the largest above normal variation (7.7 degrees). Temperatures were above normal throughout the month with maximum readings climbing into the 90's and topping the 100 degree mark in many areas. New record temperature records were set in most portions of the State, as a very warm period continued for the third straight month. Cairo reported this to be the hottest August on record. During the fourth week, readings averaged as high as 12 degrees above normal. PRECIPITATION was below normal again in all districts except the Northeast and East. Many stations received less than 0.50 of an inch. Cairo only received 0.18 of an inch which was the fourth driest August on record. The largest below normal variation was in the Southwest District, while the largest above normal variation was in the East District. In the first week the west and central portions received more than .70 of an inch, while during the third week of the month, rainfall was heavy in the Northeast with 1 to 2 inches being recorded. The extended OUTLOOK from September 15 to October 15, 1983, is for temperatures to be below normal and precipitation to be above normal.

STATE WATER SURVEY DIVISION

The State Water Survey Division reports that Potential Plant Available Moisture (PPAM) was unchanged in the moderately well-drained Flanagan soil four miles south of Bondville in Champaign County during the week ending September 23. Precipitation totaled 0.37 of an inch last week. In the soil layer from the surface to 4 inches the PPAM decreased from 39% to 31%; at the 4 to 12-inch depth, the PPAM increased from 0% to 12%; and at the 12- to 20-inch depth, the PPAM increased from 6% to 8%. Over the total soil column from the surface to nearly 7 feet, the PPAM was unchanged at 42%.

ILLINOIS CROP REPORTING DISTRICT SUMMARY

Crop and Soil Characteristics	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE	5-YR. AVG.
As of September 25, 1983											
Corn: % harvested	10	6	17	17	10	21	16	16	7	13	9
Soybeans: % turning yellow	94	95	98	97	96	96	90	88	85	94	91
% harvested	9	5	25	24	23	19	19	9	7	17	16
Days suitable for fieldwork:(week ending Sept. 23)	3.0	3.0	4.5	4.0	4.0	6.0	5.5	6.5	6.5	4.75	
Soil moisture % (as of Sept. 23)											
Short:	10	15	60	60	60	100	85	90	90	64	
Adequate:	90	70	40	40	40	0	15	10	10	35	
Surplus:	0	15	0	0	0	0	0	0	0	1	

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MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

	July	August	August 30- Sept. 5	Sept. 6- 12	Sept. 13- 19	Sept. 20- 26
Chicago	+4	+5	+9	+7	-2	-6
Peoria	+5	+8	+9	+9	+2	-5
Springfield	+4	+6	+7	+9	+2	-6
St. Louis	+5	+7	+6	+12	+2	-6

PRELIMINARY DISTRICT PRECIPITATION AVERAGES AND DEPARTURES FROM NORMAL IN INCHES

	NW	NE	W	C	E	WSW	ESE	SW	SE
August	2.51	3.23	2.39	2.33	3.93	1.48	1.62	1.27	1.66
Departure	-0.84	+0.19	-1.08	-0.82	+1.03	-1.71	-1.37	-2.38	-1.97

Station	Week ending Monday, 6 A.M., Sept. 26						
	Temperatures : Growing degree days 1/						
	Maxi-	Mini-	Aver-	Current	3-yr.	Totals	Totals
	mum	mum	age	week	av.2/	1982	1983
Moline	86	33	56.1	70	3120	3057	3199
Rockford	81	30	51.0	49	2845	2753	2919
Chicago O'Hare	85	35	55.7	65	2860	2696	2890
Quincy	90	36	57.1	69	3318	3055	3272
Decatur	91	32	56.2	70	3206	3034	3133
Peoria	89	36	56.9	72	3245	3124	3288
Watseka 3/	89	29	54.1	67	2849	2818	2939
Springfield	93	33	58.6	82	3456	3303	3356
Brownstown 3/	91	32	55.1	64	3346	3201	3285
St. Louis	92	37	60.2	87	3783	3602	3699
Dixon Springs 3/	92	32	61.9	107	3711	3630	3626

- 1/ Totals are accumulated from April 1.
2/ Average of accumulated totals for 1980, 1981 and 1982.
3/ Two-year average--1980 not available.

Growing degree days(GDD's) are calculated by subtracting a 50° (F) base temperature from the average of the maximum and minimum temperatures for the day. The daily maximum temperature is limited to 86° (F) and daily minimum to 50° (F). Thus, if the mean temperature for the day is 75°, then 25 GDD's will have been accumulated.

Precipitation: Week ending September 26

Station	Accumulations :				Departures	
	Current	Normal	in 1983 since	from normal	Apr.1	May 31
	week	1/	Apr.1	May 31	Apr.1	May 31
Rockford	1.13	0.84	20.59	11.71	- 3.32	- 4.40
Chicago O'Hare	0.66	0.77	29.96	15.91	+ 9.07	+ 1.62
Watseka	0.57	0.77	21.40	11.28	- 2.45	- 4.17
Peru	1.36	0.77	24.45	13.32	+ 2.32	- 1.01
Moline	1.49	0.84	22.10	15.30	- 2.14	- 0.84
Peoria	1.20	0.72	25.36	11.80	+ 3.28	- 2.78
Monmouth	1.27	0.84	18.21	9.91	- 4.49	- 5.59
Quincy	0.71	0.91	17.89	7.28	- 4.16	- 7.27
Springfield	0.59	0.70	14.48	6.39	- 5.49	- 6.38
Decatur	0.34	0.77	24.03	9.25	+ 0.79	- 5.89
Urbana	0.43	0.70	26.74	15.66	+ 4.61	+ 1.03
Belleville	0.50	0.77	15.59	5.26	- 5.31	- 8.44
Evansville, IN	0.15	0.63	27.61	8.45	+ 6.00	- 4.76

1/ 30-year average (1951-80).

PRECIPITATION:
First figure-Current week, 9/20-26
Parentheses--Previous week.
M--Missing. T--Trace

